



Model AM5

Owner's Guide

Limited lifetime consumer warranty

Directed Electronics ("Directed") promises to the original purchaser to repair or replace (at Directed's election) with a comparable reconditioned model any Directed unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories, which proves to be defective in workmanship or material under reasonable use during the lifetime of the vehicle provided the following conditions are met: the unit was purchased from an authorized Directed dealer; the unit was professionally installed and serviced by an authorized Directed dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized Directed dealer; and the unit is returned to Directed, shipping prepaid with a legible copy of the bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number and address; the authorized dealers name, telephone number and address; complete product description, including accessories; the year, make and model of the vehicle; vehicle license number and vehicle identification number. All components other than the unit, including without limitation the siren, the remote transmitters and the associated sensors and accessories, carry a limited one-year warranty from the date of purchase of the same. ALL PRODUCTS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF PURCHASE WILL BE DENIED. This warranty is non-transferable and is automatically void if: the original purchaser has not completed the warranty card and mailed it within ten (10) days from the date of purchase to the address listed on the card; the unit's date code or serial number is defaced, missing or altered; the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. Directed, in its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage.

TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. DIRECTED DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. DIRECTED SECURITY SYSTEMS, INCLUDING THIS UNIT, ARE DETERRENTS AGAINST POSSIBLE THEFT. DIRECTED IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT,

DAMAGE AND/OR VANDALISM. THIS WARRANTY DOES NOT COVER LABOR COSTS FOR MAINTENANCE, REMOVAL OR REINSTALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING DIRECTED OR ITS SUBSIDIARY, THE VENUE SHALL BE SAN DIEGO COUNTY IN THE STATE OF CALIFORNIA. CALIFORNIA STATE LAWS AND APPLICABLE FEDERAL LAWS SHALL APPLY AND GOVERN THE DISPUTE. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DIRECTED DEALER'S PURCHASE PRICE OF THE UNIT. DIRECTED SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGE TO VEHICLE, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE SUBJECT TO THE CONDITIONS AS DESCRIBED HEREIN. THIS WARRANTY IS VOID IF THE UNIT HAS NOT BEEN PURCHASED FROM DIRECTED, OR AN AUTHORIZED DIRECTED DEALER, OR IF THE UNIT HAS BEEN DAMAGED BY ACCIDENT, UNREASONABLE USE, NEGLIGENCE, ACTS OF GOD, NEGLIGENCE, IMPROPER SERVICE, OR OTHER CAUSES NOT ARISING OUT OF DEFECT IN MATERIALS OR CONSTRUCTION.

Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights and you may also have other rights that vary from State to State.

This warranty is only valid for sale of product(s) within the United States of America. Product(s) sold outside of the United States of America are sold "AS-IS," and shall have NO WARRANTY, express or implied. This product may be covered by a Product Performance Guarantee ("PPG"). See your authorized Directed dealer for details of the plan or call Directed Customer Service at 1-800-876-0800.

Make sure you have all of the following information from your authorized Directed dealer: A clear copy of the sales receipt, showing the following:

- Date of purchase
- Your full name and address
- Authorized dealer's company name and address
- Type of alarm installed
- Year, make, model and color of the automobile
- Automobile license number
- Vehicle identification number
- All security options installed on automobile
- Installation receipts

p/n 920-0030-06-06

contents

Limited lifetime consumer warranty	i	Disarming without a transmitter	7
Trademarks and copyrights	1	Valet mode	9
What is included	2	Remote valet	9
Important information	2	Panic mode	10
System maintenance	2	Auxiliary mode	10
Your warranty	3	Multi-level security arming ..	10
Fcc/id notice	3	Long term event history	11
Standard transmitter		Nuisance prevention® circuitry ..	12
Configuration	4	Diagnostics	13
Using your system	5	Arming diagnostics	13
Manual (active) arming	5	Disarming diagnostics	14
Automatic (passive) arming ..	5	Table of zones	
Silent mode	6	Rapid resume logic	15
Armed protection	6	Programming options	15
Disarming	7	Glossary of terms	18
		Notes	19
		Quick reference guide	21

Trademarks and copyrights

Code-Hopping™, Directed®, Doubleguard®, FailSafe®, Nuisance Prevention® Circuitry, Silent Mode™, Soft Chirp®, Stealth Coding™, Stinger®, Valet®, and Warn Away® are all Trademarks or Registered Trademarks of Directed Electronics, Inc.

What is included

- Control module and harnesses
- A Stinger® dual stage shock sensor (on-board the control module)
- Two 4-button transmitters
- Pre-wired Valet button with integrated status LED
- XR Plus receiver
- Failsafe® Starter Kill relay (if equipped)

Important information

Congratulations on the purchase of your security system. Due to the complexity of this system, it must be installed by an authorized dealer only. Installation of this product by anyone other than an authorized dealer voids the warranty. All dealers are provided with a preprinted dealer certificate to verify that they are authorized.

By carefully reading this Owner's Guide prior to using your system, you will maximize the use of this system and its features.

You can print additional or replacement copies of this manual by accessing the Directed web site at www.directed.com.

System maintenance

The system requires no specific maintenance. Your remote control is powered by a small, lightweight 3 volt lithium battery (CR2032) that will last approximately one year under normal use. When the battery weakens, operating range will be reduced and the LED on the remote dims.

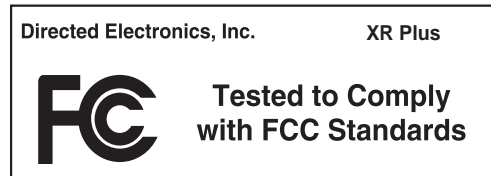
Your warranty

Your warranty registration must be returned and the bar code serial number must not be removed. If the warranty registration is not returned, you do not have a warranty. It is also necessary to keep your proof of purchase, which reflects that the product was installed by an authorized dealer. Make sure that you receive the warranty registration from your dealer.

Fcc/id notice

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesirable operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.



Standard transmitter configuration_____



controls the Arm and Multi-level arming function.



controls the Disarm.



controls Auxiliary channel 2 output **and Silent Mode**



controls Panic mode.




and



pressed together controls channel 3 output.

Using your system

manual (active) arming

The factory default is active arming. In this mode you can activate, or arm, the system by pressing the  button on your transmitter. When the system arms, you will hear a short horn honk and see the parking lights flash once. While the system is armed, the status LED will flash about once per second, showing that the system is actively protecting your vehicle. If you hear a second short horn honk after arming, and see the status LED flashing in groups, see Diagnostics section. This extra short horn honk is called Bypass Notification.


automatic (passive) arming

The system also can be programmed to arm itself automatically (called passive arming). If the system is programmed for passive arming, it will automatically arm 30 seconds after the ignition is turned off and the system “sees” you leave the vehicle by opening and closing a door. Whenever the system is in its 30-second passive-arming countdown, the status LED will flash twice as fast as it does when the system is armed. When the system arms, you will hear a short horn honk and the parking lights will flash once. The doors lock (if connected and programmed for passive locking).

note: *Passive arming may qualify for a higher insurance discount. Check with your insurance agent*

note: If any protected entry point (such as a door or a switch-protected trunk or hood) is open, the system will not passively arm. Additionally, each time a sensor is triggered during the arming countdown, the 30-second countdown starts over.

Silent mode

To temporarily turn off the arm or disarm honks, use Silent Mode™. Press  for less than one second before arming or disarming, and the confirmation honks will be eliminated for that one operation only. If you want the arm/disarm honks turned off permanently, your dealer can do this for you.

note: The Warn Away® response to lighter impacts is bypassed if the system is armed using Silent Mode. This ensures that no honks will be emitted by the horn in an area you want honk-free. The system is still fully capable of triggering. Only the Warn Away® response is bypassed.

Armed protection

When armed, your vehicle is protected as follows:

- Light impacts to your vehicle will trigger the warn away signal. The system will pulse the horn and flash the parking lights for a few seconds.
- Heavy impacts will trigger the system. The triggered sequence is 30 or 60 seconds of constant horn honking and flashing parking lights.
- If a door is opened, the system will immediately start pulsing the horn and flashing the parking lights. Three seconds later, the horn output changes to a continuous blast. This progres-


sive response gives you time to disarm the system with your transmitter if you inadvertently open the door while the system is armed, while still providing instant response (even if the door is immediately closed).

***note:** If programmed for instant trigger, the horn will output full trigger response after the door has been opened (see Programming Options)*

- Turning on the ignition key triggers the same progressive response as opening a door.
- If equipped, the starter interrupt prevents the vehicle's starter from cranking.

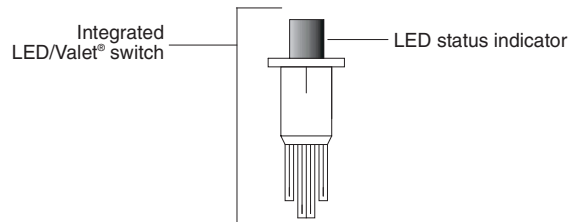
***note:** the vehicle may already be equipped with a starter kill relay from the factory.*

Disarming

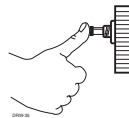
To disarm the system, press the  button on your transmitter. The horn will sound twice, and the parking lights will flash twice. If the horn sounds either four or five times when disarming, refer to the Diagnostics section of this guide. This is called Tamper Alert.

Disarming without a transmitter

This feature allows you to override the system without the transmitter should it be lost, damaged or disabled. To do this, you must have the vehicle's ignition key and know where the integrated LED/Valet button is located. The Valet button is activated by pressing the LED status indicator.



Open the door and the alarm sounds.
Turn the ignition to the "run" position. Press and release the integrated LED/Valet button, within 10 seconds.



After a few seconds the LED stops flashing, the alarm shuts off, and the vehicle starts. If it does not, you may have waited too long. Turn the ignition off and try again.

note: The setting for the number of times the integrated LED/Valet switch must be pressed is set in the Programming Section of this guide.

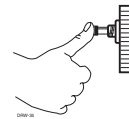
Valet mode

You can prevent your system from arming, by using Valet Mode. This is very useful when washing the vehicle or having it serviced. In Valet Mode, the system will not arm, even with the transmitter, but all convenience functions (door locks, trunk release, etc.) will work normally.

To enter or exit Valet Mode with the integrated LED/Valet button:






Turn ignition to "on" position, then turn to "off" position. Press and release the integrated LED/Valet button within 10 seconds. The status LED will light



steady if you have entered Valet Mode. To exit Valet Mode, repeat the steps above. The LED will turn off when exiting Valet Mode.

remote valet



Remote Valet is a convenient feature that makes bypassing the security system easier. This feature makes it possible to exit or enter Valet Mode using your factory keyless transmitter.

1. Open any door.
2. Press  on the transmitter.
3. Press  on the transmitter.
4. Press  on the transmitter.

The status LED will stay on if you have entered Valet Mode, and it will go out if you exited Valet Mode.



Panic mode



If you are threatened in or near your vehicle, you can attract attention by triggering the system with your transmitter. Just press  for two seconds to enter Panic Mode. In Panic Mode, the horn will honk and the parking lights will flash for 30 seconds. To stop Panic Mode at any time, press  on the transmitter again.

note: In order for Panic Mode to be effective, the vehicle's horn (or optional siren) as well as the vehicle's parking lights must be connected.

Auxiliary mode

The **AUX** button on your transmitter, allows you to operate an auxiliary device, usually this is programmed to open the trunk.

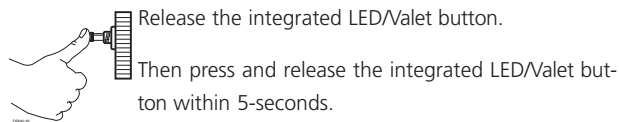
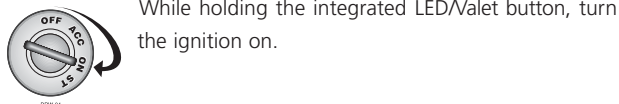
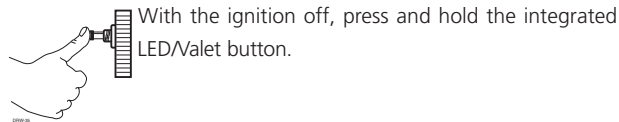
Multi-level security arming

The system allows you to select which of the inputs or sensors will be active or bypassed at the time the system is armed. Pressing the  button on your transmitter more than once within 5-seconds of arming the system activates Multi-Level Security Arming. Each time the  button is pressed (within 5-seconds) a different security level is selected. These security levels are listed below.

Lock Button pressed X times	Number of Horn honks	Armed State with Zone(s) Bypassed
Once	1 honk	All zones active
Twice	2 honks followed by long honks	Zone 2 bypassed
Three	3 honks followed by long honks	Zone 4 bypassed
Four	4 honks followed by long honk	Zone 2 & 4 bypassed
Five	5 honks followed by long honks	All zones bypassed, except zone 5 (ignition)

Long term event history

The system stores the last two alarm triggers in memory and can be displayed by:



The LED will flash in two groupings representing the last 2 zones triggered. For example, if zone 2 and 3 were the last two triggered, the LED would flash two times followed by a pause then it would flash three times followed by a pause. Turn off the ignition switch or wait one minute to exit the history display. See Table of Zones on p. 14 for zone information.

Nuisance prevention® circuitry

Your system has Nuisance Prevention® Circuitry (NPC). This circuitry prevents annoying repetitive trigger sequences due to faulty door pin switches or environmental conditions such as thunder, jackhammers, airport noise, etc.

Here's how it works:

The alarm triggers three times. Each time, the same sensor or switch is triggering the alarm. The three triggers are within 60 minutes of each other. Your system will interpret this pattern of triggers as false alarms. After the third trigger, your system ignores, or bypasses, that sensor or switch (along with any other sensors or switches sharing the same zone) for 60 minutes.

If the bypassed sensor tries to trigger the system while it is being bypassed, the 60-minute bypass period will start over. This ensures that a sensor that is continuously triggering will remain bypassed.

Doors are covered differently: If the alarm is triggered by an open door for three full cycles (one-and-one-half minutes), the doors will be

bypassed until the trigger ceases.

note: Arming and disarming the system does not reset this function! The only ways to reset a bypassed zone are for it to not trigger for 60 minutes or to turn on the ignition. If testing your system, it is important to remember that this circuitry can cause zones to be bypassed and appear to stop working. If five honks are heard when disarming, false alarm protection has engaged. If you wish to clear the memory, turn the ignition key on.

Diagnostics

The microprocessor at the heart of your system is constantly monitoring all of the switches and sensors connected to it. It detects any faulty switches and sensors and prevents them from disabling the entire system. The microprocessor will also record and report any triggers that occurred during your absence.

Arming diagnostics

If the system is armed with an input active (door open, sensor triggering, etc.) the unit will emit a short honk once when arming and then one more time a few seconds later. This is called bypass notification.

note: Bypass notification will not occur if honks have been programmed OFF.

The system will ignore the input that was active when it was armed until it goes away. Three seconds later it will monitor that input normally. For example, if your car has interior light exit delay, and you arm the system before the interior light goes out, you may get bypass notification. Once

the light goes out, however, the doors are monitored normally 3-seconds later.

Disarming diagnostics

Extra disarm horn honks are the tamper alert. If four short horn honks are heard when disarming, the system was triggered in your absence. If five short horn honks are heard, a zone was triggered so many times that false alarm prevention circuitry has bypassed that zone. In either case, the status LED will indicate which zone was involved (see Table of Zones below). The system will retain this information in its memory, and the horn honks four or five times each time it is disarmed, until the next time the ignition key is turned on.

Table of zones

The zone number is the number of LED flashes used by the system to identify that input. The standard input assignments are listed below.

ZONE (Number LED Flashes)	DESCRIPTION
1	Instant trigger - often used for hood/trunk pin switches
2	Heavy impact from onboard Doubleguard shock sensor
3	Door switch trigger
4	Optional sensor
5	Ignition trigger

The LED will not report if the Warn Away response is triggered.

Rapid resume logic

This system will store its current state to non-volatile memory. If power is lost and then reconnected the system will recall the stored state from memory. This means if the unit is in Valet Mode and the battery is disconnected for any reason, such as servicing the car, when the battery is reconnected the unit will still be in Valet Mode. This applies to all states of the system including arm, disarm, and Valet Mode.

Programming options

Programming options control your system's normal, operational set-up. Most options do not require additional parts, but some may require installation labor.



Programming settings

The following is a list of the program settings, with the factory settings in **bold**:

First menu

1. **Active** or passive arming (automatic arming 30-seconds after closing the last door). Auto re-arm: If the security system is disarmed and a door is not opened (within 30 seconds) the alarm re-arms itself.
NOTE: Auto re-arm can relock the doors when the alarm re-arms, if passive locking is programmed on.
2. Arming/disarming confirmation short horn honks **on** or off.
3. Door Trigger Error Short Horn Honk **on** or off.
4. Ignition-controlled domelight **on** or off.
5. Door Trigger **delayed** or instant: In the **delayed** configuration the unit will provide a progressive response if the door is opened while the system is armed. The system will honk and the parking lights will flash for a few seconds followed by a full trigger response when the door is opened. In the instant mode, the system will trigger the full trigger response.
6. Sensor shunt zones **1, 2 and 4** or All zones.
7. Siren duration - **30** seconds or 60 seconds.
8. Valet Pulse Count: The number of pulses of the integrated LED/Valet button required to disarm the security system are programmable from one to five pulses. The default setting is **one pulse**.
9. Horn pulse honk duration **0.020** seconds or 0.030, 0.040, 0.050 seconds.

Second menu

1. Ignition-controlled door locking **on** or off.
2. Ignition-controlled door unlocking **on** or off.
3. **Active** or passive locking.
4. Door lock pulse duration **0.8**-seconds or 3.5-seconds
5. **Single** or double lock pulse.
6. Single or double unlock pulse.
7. Auxiliary output 2nd unlock. The alarm sends a pulse if the  and  buttons on the remote are pressed simultaneously then released. It can also send a signal as long as the transmission from the remote is received. The 2nd unlock output sends a pulse when the unlock button on the remote is pressed a 2nd time after disarming the system. This can be used to unlock the passenger doors when installing the optional progressive door unlock feature.
8. Code hopping **on** or off.
9. Comfort closure Off, Comfort Closure On. Comfort closure allows you to have the windows closed (and in some cars the sunroof) when the security system is armed.
To test if the car has comfort closure:
 1. Insert the key into the drivers door key cylinder.
 2. Turn the key to the lock position, and hold for about 10 seconds. The windows will close (and in some cars the sunroof closes).

Glossary of terms

Control Module: The “brain” of your system. Usually hidden underneath the dash area of the vehicle. It houses the microprocessor which monitors your vehicle and controls all of the alarm’s functions.

Failsafe® Starter Kill (if equipped): An automatic switch controlled by the security system which prevents the vehicle’s starter from cranking whenever the system is armed. The vehicle is never prevented from cranking when the system is disarmed, in Valet Mode, or should the starter kill switch itself fail. Your system is ready for this feature, however installation of this feature may require additional labor.

Input: Any physical connection to the security system. An input can be provided through a sensor, pinswitch or by existing systems in the vehicle, such as ignition or courtesy lights.

Integrated LED/Valet button: A small push-button switch with an integrated LED mounted somewhere in the vehicle. The button is used to override the alarm when a transmitter is lost or damaged, or to put it into Valet Mode. The LED indicates the status of your system. It is also used to report triggers and faults in the system or sensors. This switch is also used to program optional features.

Warn Away® Response: Light impacts to the vehicle generate the Warn Away® Response, which consists of several seconds of horn honks and flashing parking lights.

Zone: A zone is a separate input that the alarm can recognize as unique. Each input to the system is connected to a particular zone. Often, two or more inputs may share the same zone.


[illegible]

— a — Cut along dotted line and fold for a quick and easy reference to keep in your purse or wallet.


Cut along dotted line and fold for a quick and easy reference to keep in your purse or wallet.

Quick reference guide

To arm the system

- To arm the system, press the  button on your transmitter. When the system arms, you will hear a short horn honk, see the parking lights flash once, and the doors will lock.

To disarm the system

- To disarm the system, press the  button on your transmitter. You will hear two short horn honks, the parking lights flash twice, and the doors unlock.



Disarming without a transmitter

- Turn on the ignition. Press the integrated LED/Valet button the programmed number of times within 10 seconds. The system should now disarm. If it does not, you may have waited too long. Turn the ignition off and on and try again.





To enter or exit Valet Mode

- Turn ignition to “run” position, then turn to “off” position. Press and release the integrated LED/Valet button within 10 seconds. The status LED will light solid if you are entering Valet Mode, and it will go out if you are exiting Valet Mode.

Remote Valet

- Open any door. Press the  button on your transmitter. Within one second, press the  button on your transmitter. Within one second, press the  button on your transmitter again. The status LED will stay on if you have entered Valet Mode, and it will go out when exiting Valet Mode.

Panic Mode

- To enter Panic mode, press the  button on your transmitter. The horn will sound and the lights will flash for 30-seconds. To stop panic mode press the , , or  button on your transmitter.

The company behind this system is Directed Electronics

Since its inception, Directed Electronics has had one purpose, to provide consumers with the finest vehicle security and car stereo products and accessories available. The recipient of nearly 100 patents and Innovations Awards in the field of advanced electronic technology, DIRECTED is ISO 9001 registered.

Quality Directed Electronics products are sold and serviced throughout North America and around the world.

Call **(800) 274-0200** for more information about our products and services.



Directed Electronics is an ISO 9001 registered company.

Directed Electronics is committed to delivering world class quality products and services that excite and delight our customers.



Directed Electronics, Inc.
Vista, CA 92081
www.directed.com

© 2008 Directed Electronics - All rights reserved
G3101A 2008-07